

# Curriculum Vitae

**Philippe Bontems**

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## Academic Positions

- 2004-... Senior researcher, INRA (*National Institute for Agronomy Research*), Toulouse, France.  
2000-... Associated researcher, IDEI, Toulouse, France.  
1997-03 Permanent researcher, INRA, Toulouse, France.  
1996-97 Permanent researcher, INRA, Paris, France.

## Education

- January 1995 : Ph.D. in Economics from Université de Paris-X Nanterre.  
Dissertation title: “*Contrôle de la Pollution en présence d’Asymétries d’Information*” (Regulation of Pollution under Asymmetric Information).  
Supervisor: Prof. Gilles Rotillon. Committee: Gilles Rotillon (Université de Paris X Nanterre), Pierre-Alain Jayet (INRA, Grignon), Michel Moreaux (Université de Toulouse), Pierre Picard (Université de Paris X Nanterre).
- 1992 to 1995: PhD student, affiliated to the Université de Paris X Nanterre and to INRA, Paris-Grignon.
- June 1992: Graduation from the ENSAE (National School of Statistics and Economics). Specialization in microeconomics, industrial organization and public economics.  
Master degree in Economics from Ecole des Hautes Etudes en Sciences Sociales, Paris (EHESS).
- June 1990: Graduation from INA-PG (National Institute of Agronomy at Paris Grignon). Specialization in statistics.  
Master degree in Statistics from University of Paris-XI Orsay.

## Publications and Research Papers

### Published and Forthcoming Papers in Refereed Journals

1. “On environmental policy and permitting”, with J.M. Bourgeon, forthcoming in *Journal of Public Economic Theory*
2. “Organizational structure, redistribution and the endogeneity of cost: Cooperatives, For-Profit Firms and the cost of procurement”, with M. Fulton, forthcoming in *Journal of Economic Behavior and Organization*

3. "When cost improvement harm consumers", with N. Gruyer, forthcoming in *Review of Industrial Organization*.
4. "Le renouvellement périodique des contrats de concession: Le cas des services de l'eau", with C. Aubert and F. Salanié, *Annals of Public and Cooperative Economics*, 2006, 77(4):491-515.
5. "Regulating nitrogen pollution with risk averse farmers under hidden information and moral hazard", with A. Thomas, *American Journal of Agricultural Economics*, 2006, 88(1):57-72.
6. "Self-selecting agri-environmental policies with an application to the Don watershed", with G. Rotillon and N. Turpin, *Environmental and Resource Economics*, 2005, 31:275-301.
7. "Optimal environmental taxation and enforcement policy", with J.M. Bourgeon, *European Economic Review*, 2005, 49(2):409-435.
8. "AgriBMPWater: systems approach to environmentally acceptable farming", Turpin N., Bon-tems P., Rotillon G., Barlund I., Kaljonen M., Tattari S., Feichtinger F., Strauss P., Haverkamp R., Garnier M., Porto A., Benigni G., Leone A., Ripa M.N., Eklo O.M., Romstad E., Bordenave P., Bioteau T., Birgand F., Laplana R., Piet L. and Lescot J.-M., *Environmental Modelling and Software*, 2005, 20:187-196.
9. "Lutte contre la pollution diffuse sur un bassin d'élevage: comparaison d'instruments en présence d'asymétrie d'information", with G. Rotillon and N. Turpin, *Cahiers d'Economie et de Sociologie Rurales*, 2004, 72:6-31.
10. "Optimal regulation of production contracts with environmental externalities", with P. Dubois and T. Vukina, *Journal of Regulatory Economics*, 2004, 26(3):284-298.
11. "Economics of Private Labels: A Survey of Literature", with F. Berges-Sennou and V. Réquillart, *Journal of Agricultural and Food Industrial Organization*, 2004, 2(1):Article 3.
12. "Remarks on Good vs. bad characteristics in vertical differentiation", with V. Réquillart, *Economics Letters*, 2001, 70(3):427-429.
13. "Honesty in Environmental Compliance Games", with G. Rotillon, *European Journal of Law and Economics*, 2000, 20(1):31-41.
14. "Honnêteté et Conformité Environnementale", with G. Rotillon, *Economie et Prévision*, 2000, 143-144:117-127.
15. "Creating countervailing incentives through the choice of instrument", with J.M. Bourgeon. *Journal of Public Economics*, 2000, 76:181-202.
16. "Risk premium and value of information : the case of split nitrogen application for corn crop", with Alban Thomas. *American Journal of Agricultural Economics*, 2000, 82:59-70.
17. "Strategic effects of private labels", with V. Réquillart and S. Monier, *European Review of Agricultural Economics*, 1999, 26:147-165.
18. "Conformité aux prescriptions environnementales et son contrôle", with G. Rotillon, *Revue d'Economie Politique*, 1999, 109 (1):1-34.
19. "Concentration urbaine et usages de l'eau", with N. Ben Zina, G. Rotillon and A. Chkir. *Revue des Sciences Juridiques Economiques et de Gestion de Sousse*, 1997, vol. I, n°2.
20. "Les paiements directs aux agriculteurs dans l'Union Européenne: politique communautaire ou politiques nationales?", with J.C. Bureau. *Economie Rurale*, 1996, 233:55-61.
21. "Régulation multi-facteurs: gel de terre et mesure agri-environnementale de réduction de l'intrant", with P.A. Jayet. *Cahiers d'Economie et de Sociologie Rurales*, 1996, 39-40:94-121.
22. "Régulation par la production ou par l'intrant en présence d'incertitude", with J.M. Bourgeon. *Annales d'Economie et de Statistiques*, 1996, 43:181-193.

## In Books and Guest Editor Foreword

1. “Environmental Regulation of Livestock Production Contracts”, with P. Dubois and T. Vukina, *Frontiers in the Economics of Environmental Regulation and Liability*, Boyer, Hiriart and Martimort (Eds), 2006, Ashgate.
2. “Une démarche pour comparer le coût, l’efficacité et l’acceptabilité de pratiques agricoles respectueuses de l’environnement”, with Turpin, N.; Laplana, R.; Kaljonen, M.; Strauss, P.; Barlund, I.; Benigni, G.; Bioteau, T.; Birgand, F.; Bontems, P.; Bordenave, P.; Eklo, O.M. ; Feichtinger, F.; Garnier, M.; Haverkamp, R.; Leone, A.; Lescot, J.M.; Lo Porto, A.; Piet, L.; Ripa, M.N.; Romstad, E.; Rotillon, G.; Tattari, S.; Zahm, F., *Ingénieries - E A T*, 2005, n° 43:19-32.
3. “Input Use and Capacity Constraint Under Uncertainty: The Case of Irrigation”, with P. Favard, in *Focus on agricultural economics*, Ami R. Bellows (Ed.), Nova Publishers, 2005.
4. “Restauration de la qualité des eaux de surface: comparaison de mécanismes incitatifs”, with N. Turpin and G. Rotillon, in *Thème mobilisateur, Economie des Equipements*, Cemagref (Ed.), 2005.
5. “Mitigating non-point source pollution from dairy farms: economic evaluation on the Don watershed”, with N. Turpin, G. Rotillon, T. Bioteau and R. Laplana, in *Controlling nitrogen flows and losses*, Hatch D.J., Chadwick D.R., Jarvis S.C. and J.A. Roker (eds.), Wageningen Academic Publishers, 2004.
6. “La mise en oeuvre des dispositifs de régulation en matière d’environnement”, with G. Rotillon, in *Régulation environnementale: Jeux, coalitions, contrats*. G. Rotillon Ed., Economica, 2002.
7. “An introduction to the special issue of ERAE on Food industry and industrial organization”, with V. Réquillart, *European Review of Agricultural Economics*, 1999, 26:1-3.

## Books

1. “Economie de l’environnement”, with Gilles Rotillon, éditions La Découverte, Collection Repères, 119 p., First Published in 1998, 2nd edition in 2003, 3rd edition in 2007.

## Working Papers

1. “Advertising and price signaling of quality in a duopoly with endogenous locations”, with V. Meunier, *revised and resubmitted*
2. “L’impact économique du développement des marques de distributeurs”, with F. Berges-Sennou and V. Réquillart, *revised and resubmitted*
3. “Acceptable reforms of agri-environmental policies”, with N. Turpin and G. Rotillon, *submitted*
4. “Public procurement with a risk averse agent”, with A. Thomas
5. “Optimal concession of water services under common value”, with C. Aubert and F. Salanié
6. “Why you should not fly First Class when you plan to negotiate in Bentonville”, with J.P. Chavas and T. Dhar
7. “The role of public firms in R&D racings”, with J. Vercammen
8. “On social and market sanctions in deterring non compliance in pollution standards”, with G. Rotillon

## Conferences and Seminars

1. "Incentives and the regulation of non-point source pollution", *Journées de Micro-Economie Appliquée*, Marseille, France, June 1994.
2. "Incentives and the regulation of non-point source pollution", *European Association of Environmental and Resources Economists (EAERE)*, Dublin, Ireland, June 1994.
3. "Les paiements directs aux agriculteurs dans l'Union Européenne: politique communautaire ou politiques nationales?", *Colloque de la SFER*, "Les paiements directs aux agriculteurs", Paris, November 1995.
4. "Creating countervailing incentives through the choice of instrument", *European Economic Association (EEA)*, Istanbul, Turkey, August 1996.
5. "Direct payments to farmers in the EU: european or national policies?", *European Association of Agricultural Economists (EAAE)*, Edinburgh, UK, September 1996.
6. "Subsidies or Minimum Quality Standard for Protection", *Ecole chercheur en Economie Internationale de l'INRA*, Rennes, France, November 1996.
7. "Politique d'inspection de la pollution en présence de signal sur les dommages", *Journées de Micro-Economie Appliquée*, Marrakech, Morocco, May 1997.
8. "Politique d'inspection de la pollution en présence de signal sur les dommages", *Journées du GREEN*, University of Laval, Canada, November 1997.
9. "Honnêteté et conformité environnementale", *Journées de l'AFSE*, Toulouse, France, May 1998.
10. "Honnêteté et conformité environnementale", *Journées de Micro-Economie Appliquée*, Pointe-à-Pitre, Guadeloupe, June 1998.
11. "Auditing pollution under signal of damage", *1<sup>st</sup> World Congress of Environmental and Resource Economists*, Venice, Italy, June 1998.
12. "Risk premium and value of information : the case of split nitrogen application for corn crop", *1<sup>st</sup> World Congress of Environmental and Resources Economists*, Venice, Italy, June 1998.
13. "Risk premium and value of information : the case of split nitrogen application for corn crop", *American Agricultural Economics Association (AAEA)*, Salt Lake City (Utah), USA, August 1998.
14. "Honesty in environmental compliance games", *European Association of Environmental and Resources Economists (EAERE)*, Rethymnon, Crete, June 2000.
15. "Optimal environmental taxation and enforcement policy", *Canadian Resource and Environmental Economics Study Group (CREE)*, Guelph (Ontario), Canada, October 2000.
16. "Optimal environmental taxation and enforcement policy", *Colloque PIREE*, Nice, Sophia-Antipolis, April 2001.
17. "Optimal environmental taxation and enforcement policy", *European Association of Environmental and Resources Economists (EAERE)*, Southampton, UK, June 2001.
18. "Regulating nitrogen pollution with risk-averse farmers under hidden information and moral hazard", *European Association of Environmental and Resource Economists (EAERE)*, Southampton, UK, June 2001.
19. "Regulating nitrogen pollution with risk-averse farmers under hidden information and moral hazard", *American Agricultural Economics Association (AAEA)*, Chicago (Illinois), USA, August 2001.

20. "Optimal environmental taxation and enforcement policy", *Econometric Society European Meeting (ESEM)*, Lausanne, Suisse, August 2001.
21. "Regulating nitrogen pollution with risk-averse farmers under hidden information and moral hazard", *Canadian Resource and Environmental Economics Study Group (CREE)*, Brock (Ontario), Canada, October 2001.
22. "Optimal environmental taxation and enforcement policy", *Southern Economic Association*, Tampa (Florida), USA, November 2001.
23. "Technology subsidies, environmental taxation and pollution monitoring", *2<sup>nd</sup> World Congress of Environmental and Resource Economists*, Monterey, CA USA, June 2002.
24. "Location choice and price signaling of quality", *Toulouse Conference on Industrial Organization and the Food Industry*, Toulouse, France, June 2002.
25. "Location choice and price signaling of quality", *European Association for Research in Industrial Economics (EARIE)*, Madrid, Spain, September 2002.
26. "Location choice and price signaling of quality", *International Conference on Industrial Organization*, Boston, USA, April 2003.
27. "Regulating nitrogen pollution with risk-averse farmers under hidden information and moral hazard", *Invited Lecture at the 3<sup>rd</sup> Annual Workshop on the Economics of Contracts in Agriculture*, Copenhagen, Denmark, June 2003 (81th EAAE Seminar).
28. "Acceptability constraints and self-selecting agri-environmental policies", *European Association of Environmental and Resource Economists (EAERE)*, Bilbao, Espagne, June 2003.
29. "Predatory accommodation in vertical contracting with externalities", *1<sup>st</sup> Madison Food Systems Research Group Conference*, USA, June 2003.
30. "Predatory accommodation in vertical contracting with externalities", *American Agricultural Economics Association (AAEA)*, Montréal (Canada), July 2003.
31. "Predatory accommodation in vertical contracting with externalities", *European Economic Association (EEA)*, Stockholm, Sweden, August 2003.
32. "Predatory accommodation in vertical contracting with externalities", *European Association for Research in Industrial Economics (EARIE)*, Helsinki, Finlande, August 2003.
33. "Predatory accommodation in vertical contracting with externalities", *88th EEA seminar*, Paris, May 2004.
34. "Predatory accommodation in vertical contracting with externalities", *Toulouse Conference on Industrial Organization and the Food Industry*, Toulouse, June 2004.
35. "Organizational structure and the endogeneity of cost: Cooperatives, For-Profit Firms and the cost of procurement", *American Agricultural Economics Association (AAEA)*, Denver (USA), August 2004.
36. "Organizational structure and the endogeneity of cost: Cooperatives, For-Profit Firms and the cost of procurement", *2<sup>nd</sup> Madison Food Systems Research Group Conference*, USA, June 2005.
37. "Acceptable reforms of agri-environmental policies", *American Agricultural Economics Association (AAEA)*, Providence (USA), July 2005.
38. "On environmental policy and permitting", *Canadian Resource and Environmental Economics Study Group (CREE)*, Montréal, Canada, September 2005.

39. “Acceptable reforms of agri-environmental policies”, Invited lecture at a workshop organized by J. Braden at the University of Illinois (USA), March 2006.
40. “Optimal concession of water services under common value”, *3<sup>rd</sup> World Congress of Environmental and Resource Economics*, Kyoto, Japan, July 2006.
41. “The role of public firms in R&D racings”, *American Agricultural Economics Association (AAEA)*, Long Beach (USA), July 2006.
42. “On social and market sanctions in deterring non compliance in pollution standards”, *American Agricultural Economics Association (AAEA)*, Portland (USA), July 2007.
43. “Optimal concession of water services under common value”, *European Association for Research in Industrial Economics (EARIE)*, Valencia, Spain, September 2007.

**Seminars** CREST-ENSAE, Paris ENGREF, Strasbourg ENGEES, University of Toulouse (INRA, IDEI), University of Paris X Nanterre (THEMA), INRA Toulouse, LERNA Toulouse, University of Sfax, Tunisia, Université du Québec à Montréal, Journées LORIA-MAIA, INRA Rennes, University of Aarhus, University of Saskatchewan, University of British Columbia, University of Piacenza.

## Teaching

### Courses

- 2007: University of Cremona (Italy), *The Economics of Vertical Restraints*, Graduate course.
- 2007: University of Cremona (Italy), *The Economics of Obesity*, Graduate course.
- 2005-2007: Ecole Supérieure d’Agriculture de Purpan, *International Economics*, Graduate course.
- 2004-2006: Toulouse Business School, *An Economic Approach to Sustainable Development*, Graduate course.
- 2003-2005 : National School for Engineering in Aeronautics (Toulouse), *An Economic Approach to Sustainable Development*, Graduate course.
- 1998-2003: University of Toulouse, *Industrial Economics applied to the Food Industry*, Doctoral program in Economics at University of Toulouse.
- 1997-2003: University of Toulouse, *Environmental Policies in Open Economies*, Doctoral program in Economics at University of Toulouse.
- 2001: University of Toulouse, *Industrial Economics*, Graduate Course for students in management.
- 1998-2000: University of Toulouse, *Industrial Economics*, Undergraduate Course.
- 1997-2000: INSA de Toulouse, *Industrial Economics*, Undergraduate Course for students in engineering and biological sciences.
- 1992-96: Teaching assistant in microeconomics and game theory, at Institut National Agronomique de Paris-Grignon (INA-PG).
- 1992-96: Teaching assistant in statistics and macroeconomics at the University of Paris X Nanterre.

- 1992-96: Supervisor of group of students in Applied Economics at Ecole Nationale de la Statistique et de l'Administration (ENSAE) and at Ecole Nationale du Génie Rural, des Eaux et des Forêts (ENGREF).

## PhD students supervised

1. Nadine Turpin, University of Paris X Nanterre, 2000-2003, "Incentives to adopt best management practices and non point source pollution reduction in the presence of asymmetric information".

## Other Academic Activities

- Referee for : *Agricultural Economics*, *American Economic Review*, *L'Actualité Economique*, *American Journal of Agricultural Economics*, *Annales d'Economie et de Statistique*, *Cahiers d'Economie et de Sociologie Rurales*, *Economie Rurale*, *European Review of Agricultural Economics*, *Environmental and Resource Economics*, *International Journal of Industrial Organization*, *Journal of Agricultural Economics*, *Journal of Environmental and Economics Management*, *Journal of Public Economics*, *Journal of Public Economic Theory*, *Journal of Sport Economics*, *Revue Française d'Economie*.
- Guest Co-Editor for a special issue of *European Review of Agricultural Economics*, Vol. 26 (2), 1999.
- Member of the Scientific Committee for the European Congress of Agricultural Economics (EAAE, Ghent 2008).
- Member of *Commission de Spécialistes* (recruiting committee) for the Department of Economics, University of Toulouse (2000-2003).
- Member of *Commission de Spécialistes* (recruiting committee) for the Department of Economics, University of Perpignan (2005-).
- Member of the recruiting committee for senior researchers at INRA (2004, 2005).
- Member of the Scientific Council for the Department of Social Sciences at INRA, 2002-2006.
- Organizer of the 3rd INRA-IDEI conference on Industrial Organization and the Food Industry (also endorsed as the 62th european seminar of EAAE), Toulouse, November 1998.
- Co-organizer of the 4th INRA-IDEI conference on Industrial Organization and the Food Industry, Toulouse, June 2000.
- Participation to Ph.D. committees:
  - Isabelle Péchoux, University of Toulouse, 2002, Contributions to the economic analysis of environmental policies in open economies.
  - Mauricio Bermudez, University of Toulouse, 2005, Essays on the efficiency and the political economy of voluntary environmental agreements.

## Academic visits

University of Maryland et University of California, Berkeley (USA, May 1999)

University of California, Davis (USA, April-June 2000)

University of Wisconsin, Madison (USA, August 2001, August 2002, April-Mai 2003, October 2004)

University of Saskatchewan, Saskatoon (Canada, August 2003, July 2004, August 2005, July 2006)

University of British Columbia, Vancouver (Canada, July 2004, August 2005, July 2006)

## Research Grants

### Coordinator and Principal Investigator

1. “Nutritional policies, consumption and regulation of food chains”, National Agency for Research (french equivalent of NSF), 2005-2008, 650.000 euros.
2. “Enforcement of agri-environmental policies”, Ministère de l’Environnement, 2005-2007, 65.000 euros.
3. “Pollutions diffuses (*Non Point Source Pollution*)”, INRA (AIP *Théorie des Contrats*), 1999-2000, 9.000 euros.
4. “Pollutions diffuses d’origine agricole (*Non Point Source Pollution*)”, INRA (AIP *Théorie des Contrats*), 1997-1998, 9.000 euros.
5. “La mise en oeuvre des politiques environnementales : inspection, contrôle et sanctions (*Enforcement and environmental policies*)”, INRA (AIP *Régulations des marchés*), 1996-1997, 4.500 euros.

### Co-investigator

1. “Contrats de concession des services de l’eau (*Concession contracts for water services*)”, Ministère de l’Environnement, 2003-2005.
2. “Contrats dans l’agro-alimentaire (*Contractual relationships in the Food industry*)”, Ministère de la Recherche (ACI), 2001-2003.
3. “Marchés de droits pour le contrôle de la pollution (*Markets for rights to pollute*)”, INRA (CSD), 2001-2002.
4. “*Agricultural Best Management Practices for Water Protection*”, financed by the European Union, 5<sup>th</sup> PCRD, 2000-2003.
5. “Audit de la pollution et investissement (*Investment and pollution audit*)”, Ministère de l’Environnement (PIREE), 2000-2002.
6. “Les Marques de distributeurs (*Private labels*)”, INRA (AIP *Théorie des Contrats*), 1999-2000.
7. “Relations verticales producteurs-distributeurs : l’exemple du marché des eaux en bouteilles (*Vertical relationships between manufacturers and retailers: the mineral water market*)”, INRA (AIP *Théorie des Contrats*), 1997-1998.
8. “Régulation par l’intrant ou par la production (*Input or output regulation*)”, INRA (AIP *Théorie des Contrats*), 1996-1997.
9. “Mesures agri-environnementales et contrôle de la pollution (*Pollution control and agri-environmental policies*)”, INRA (AIP *Régulations des marchés*), 1995-1996.

## **Personal Information**

born June 2, 1967, married, two children

citizenship: French